

Fig. 1

hNEDL1	MASPSRNSQSRRRCKEPLRYSYRDPQFHNIDLRGGPHDGVITPRSTSDDLTVDSDSRSTLWVSSSYYSI	GHISQDLV	HID	KEEVDAQDII	GIRYL	IDEVL	100																																														
oNEDL1	MASPSRNSQSRRRCKEPLRYSYRDPQFHNIDLRGAHDIAITPRSTSDDLTVDSDSRSTLWVSSSYYSI	GHISQDLV	HID	KEEVDAQDII	GIRYL	IGEVS	100																																														
hNEDL1	SENFLDYKIRGVNGSHRGQI	IIK	I	DASSYFVEPETIK	CFKYYHGVSALRATT	PSVT	KHSAAPI	FKS	I	GADET	VQGQSRRL	ISFSLSDFOAIGLKKGK	200																																								
oNEDL1	SENFLDYKIRGVNGSHRGQI	IIK	I	DASSYFVESETIK	CFKYYHGVRGA	LATT	PSVT	KHSAAPI	FKG	I	GSEETAQSOGSRRL	ISFSLSDFOAIGLKKGK	200																																								
hNEDL1	FFHPDPEYKISI	LOPCKRSHF	PLALPHIGGERRSKI	IGNTV	N21	IBA	Q	SEVS	LP	PDV	E	EV	DKAFCASRP	I	KRE	GR	SMV	YR	LE	ERH	I	GDRVWSY	300																														
oNEDL1	FFHPDPEYKISI	LOPCKRSHF	PLALPHIGGERRSKI	IGNTV	N21	IBA	Q	SEVS	LP	PDV	E	EV	DKAFCASRP	I	KRE	GR	SMV	YR	LE	ERH	I	GDRVWSY	300																														
C2 Domain								300																																													
hNEDL1	TLGRRLPTDHSGQLQFRFE	ITSS	I	HDDDEE	ISL	STEPES	-AQI	QSPINNLIES	SGS	GEPR	SEAPESSES	W	PEQ	LGE	GSV	PDRC	GNQ	I	ELSRPAEEAA	399																																	
oNEDL1	TLGRRLPTDHSGQLQFRFE	ITSS	I	HADDEE	ISL	SAPESSAETQDS	-MNS	MVGNS	NG	EP	SGDATE	F	CKD	AKP	SEPG	EGNV	NSSEN	QNQ	EHAGPVEEAA	400																																	
hNEDL1	VITEAGDQGIV	VSVC	PEGAG	ELL	AQVQKD	I	OPAPS	AEELA	QD	LGE	EEAS	LLEDGE	APAST	KEEP	LEEATT	OSRAG	REEE	E	QEE	EGD	VSTLE	EQGEG	499																														
oNEDL1	GABEARDGSNV	SEAP	EEP	G	LDQPEQH	D	QHD	TOPTL	SAE	EV	AEGLP	LDED	SPSS	LL	PEENTAL	GSK	VEET	V	PENG	AREE	EMQ	KGKDE	EEEEE	EDV	STLE	EQGEG	499																										
hNEDL1	RLOL	RASV	KRK	SRCP	SLPV	SELET	VI	ASACG	DP	ETP	PRTH	YI	I	H	TL	LH	U	PSA	QGGS	AA	EE	ED	GAE	EE	ESTL	KDS	SE	KDGL	SE	VT	ADP	SALE	EDREEP	599																			
oNEDL1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	580																				
hNEDL1	EGATPGTAHPGHSGGHF	PSL	LANGA	QDQD	GTH	HP	STG	SE	DS	SPRG	DH	SC	EGC	D	ACCC	SP	CY	SS	CY	ST	CY	SS	CY	AS	CY	SP	CY	NCN	R	FAS	HTRS	699																					
oNEDL1	ATLC	MAP	SDCSGGH	FSS	LSK	G	AGQD	QD	GEA	H	P	STG	SE	DS	SP	Q	G	DH	SC	EGC	D	ACCC	SP	CY	ST	CY	SS	CCY	SS	CY	NCN	R	FAS	HTRS	676																		
hNEDL1	SVDSAK	I	SE	STV	FSSQ	DD	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	799																			
oNEDL1	SVDSAK	I	SE	STV	FSSQ	DD	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	776																			
hNEDL1	HHH	YPT	I	DE	PLP	PN	W	EAR	I	D	SHG	R	V	FYD	H	VN	R	T	T	I	Q	R	P	T	A	R	PDG	W	RRSGS	I	Q	ME	LN	RRY	Q	I	Q	RT	I	ATER	SE	DSG	Q	SC	Q	AP	-AGGGGGGS	898					
oNEDL1	HHH	YPA	I	DE	PLP	PN	W	EAR	I	D	SHG	R	V	FYD	H	VN	R	T	T	I	Q	R	P	T	A	R	PDG	W	RRSGS	H	ME	LN	RRY	Q	I	Q	RT	I	ATER	SE	DSG	Q	SC	Q	AP	-AGGGGGGS	876						
WW Domain 1								876																																													
hNEDL1	DSEAE	SSQ	SS	LL	DR	REG	SL	SPV	N	Q	I	T	LL	LL	Q	SP	AV	K	I	T	NP	PE	FT	V	TL	H	AN	Y	S	A	R	V	R	Y	LE	TR	LE	998															
oNEDL1	DSEAE	SSQ	SS	LL	DR	REG	SL	SPV	N	Q	I	T	LL	LL	Q	SP	AV	K	I	T	NP	PE	FT	V	TL	H	AN	Y	S	A	R	V	R	Y	LE	TR	LE	976															
hNEDL1	LPRG	WE	I	K	T	DQ	GK	SS	V	DH	N	R	AT	PDG	H	IR	RR	SGS	I	Q	ME	LN	RRY	Q	I	Q	RT	I	ATER	SE	DSG	Q	SC	Q	AP	-AGGGGGGS	1098																
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WW Domain 2								1076																																													
hNEDL1	VAF	FL	RQ	P	N	I	F	E	M	Q	R	Q	P	S	L	A	R	N	H	T	R	E	K	I	Y	H	I	R	T	E	G	N	T	LE	TR	LE	1198																
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hNEDL1	PSPY	R	RD	FE	AK	LR	N	FY	R	K	LE	AK	G	F	G	Q	P	G	K	I	L	I	RR	D	H	I	LL	PS	Q	S	P	Q	N	P	G	L	Q	R	A	S	A	-----	1298										
oNEDL1	PSPY	R	RD	FE	AK	LR	N	FY	R	K	LE	AK	G	F	G	Q	P	G	K	I	L	I	RR	D	H	I	LL	PS	Q	S	P	Q	N	P	G	L	Q	R	A	S	A	-----	1276										
hNEDL1	ND	TY	TV	Q	SP	MSA	F	VEN	H	LE	W	F	R	F	SG	R	I	LG	LA	I	HQ	Y	LL	DA	FF	TR	P	Y	K	ALL	I	T	D	L	T	F	T	V	N	E	V	F	G	V	TE	1398							
oNEDL1	ND	TY	TV	Q	SP	MSA	F	VEN	H	LE	W	F	R	F	SG	R	I	LG	LA	I	HQ	Y	LL	DA	FF	TR	P	Y	K	ALL	I	T	D	L	T	F	T	V	N	E	V	F	G	V	TE	1376							
hNEDL1	RE	L	K	SG	G	AN	T	Q	V	T	E	K	N	K	Y	I	E	R	V	K	B	R	E	G	V	Q	Q	T	E	L	V	R	G	Y	H	D	G	L	V	I	R	E	F	TA	AV	1498							
oNEDL1	RE	L	K	SG	G	AN	T	Q	V	T	E	K	N	K	Y	I	E	R	V	K	B	R	E	G	V	Q	Q	T	E	L	V	R	G	Y	H	D	G	L	V	I	R	E	F	TA	AV	1476							
hNEDL1	ER	F	NN	QE	Q	L	R	L	Q	F	V	T	G	T	S	V	P	Y	E	G	F	A	L	R	G	S	N	G	L	R	R	F	C	I	E	K	B	G	K	I	T	S	L	P	R	A	T	C	F	G	L	E	1585
oNEDL1	ER	F	NN	QE	Q	L	R	L	Q	F	V	T	G	T	S	V	P	Y	E	G	F	A	L	R	G	S	N	G	L	R	R	F	C	I	E	K	B	G	K	I	T	S	L	P	R	A	T	C	F	G	L	E	1563

HECT Domain

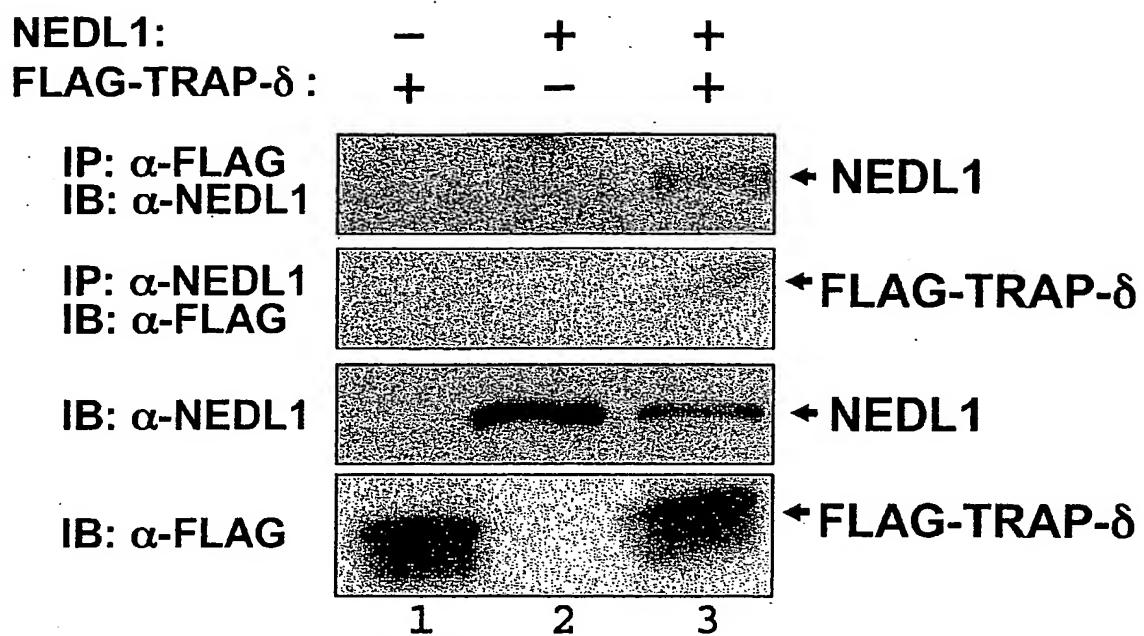
Fig. 2

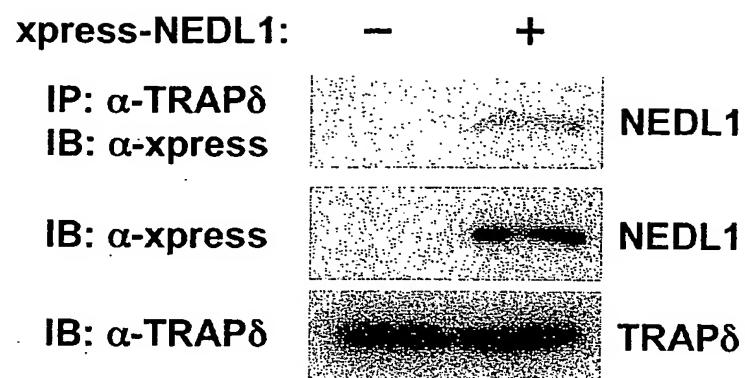
Fig.3

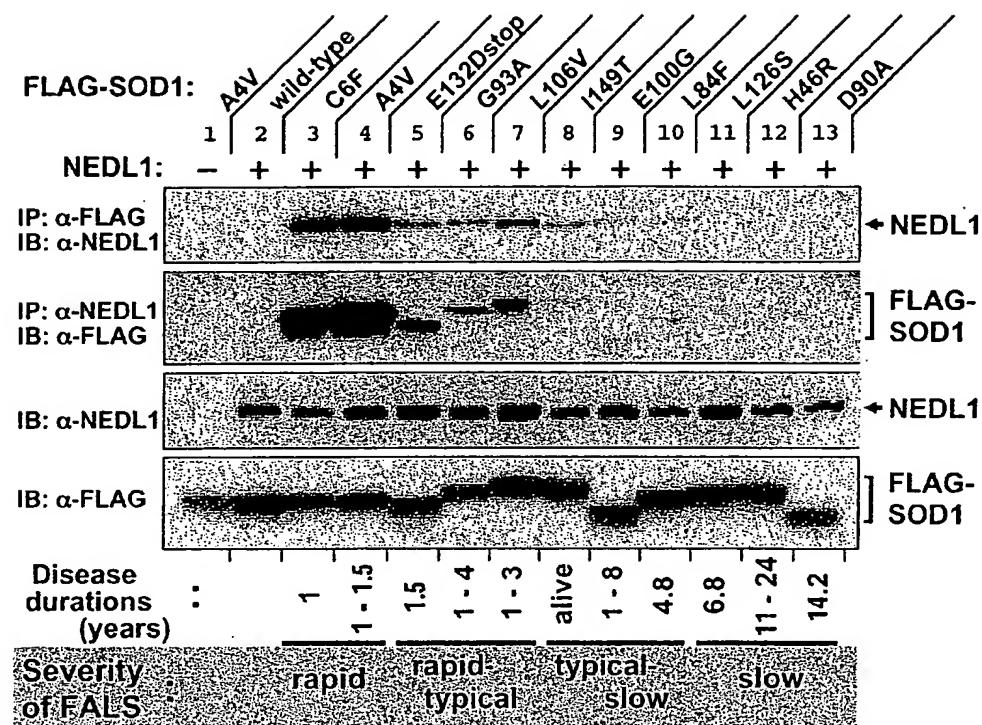
Fig.4

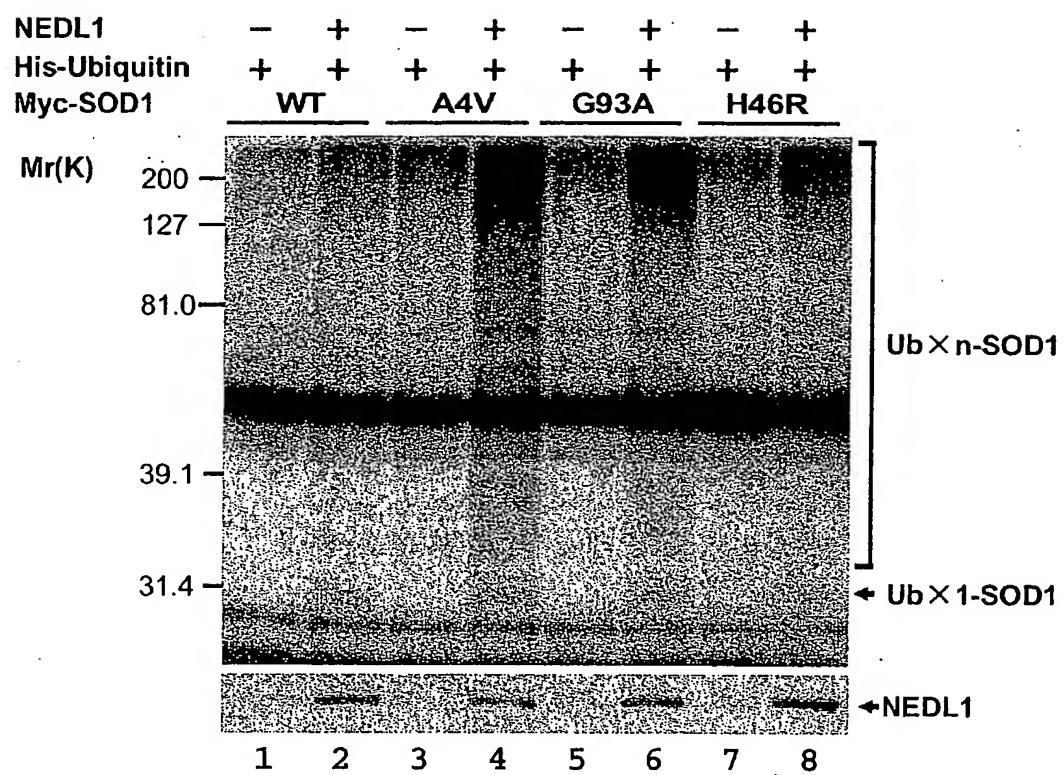
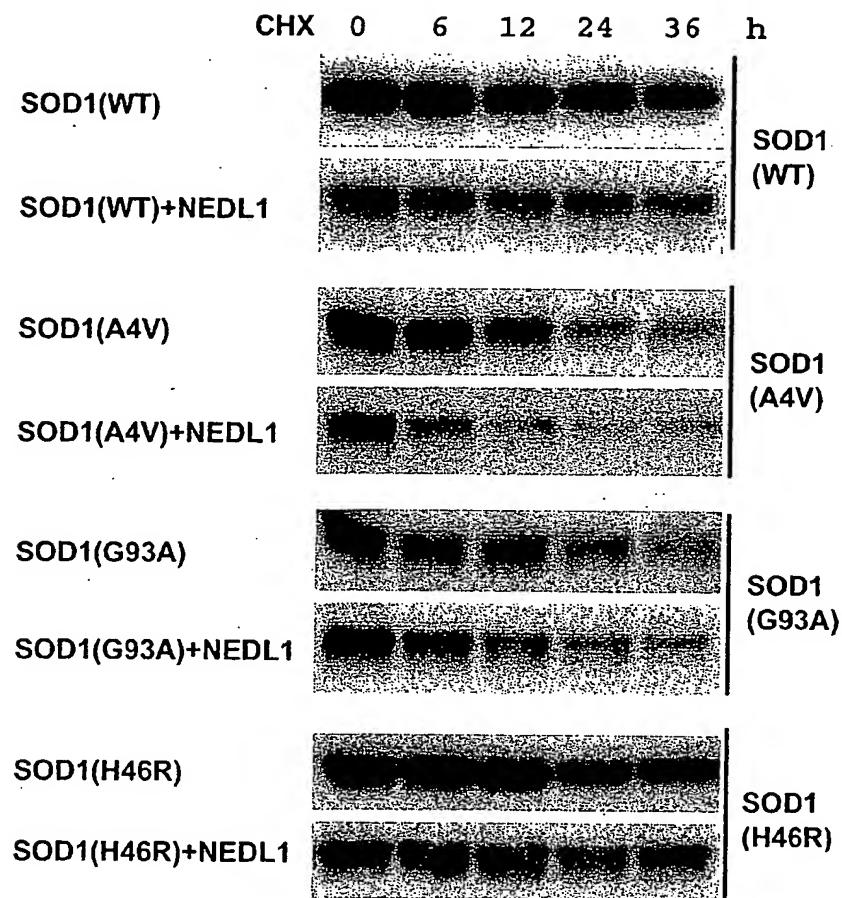
Fig.5

Fig.6

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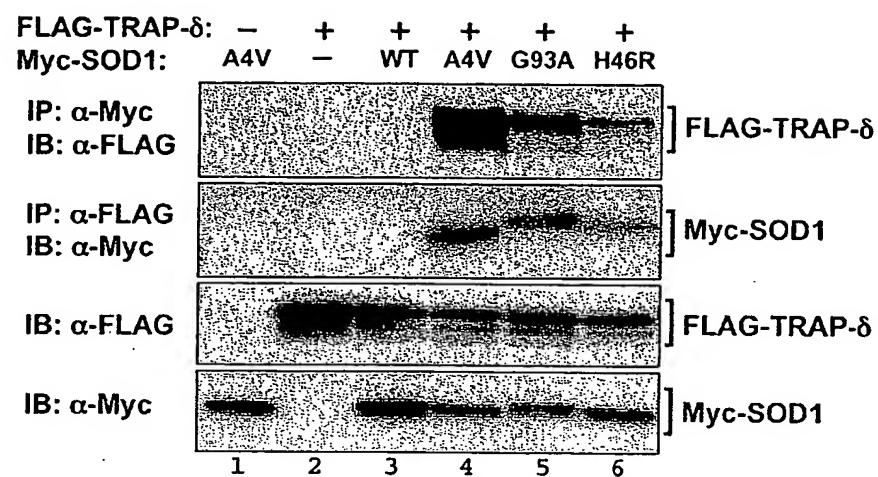
Fig.7

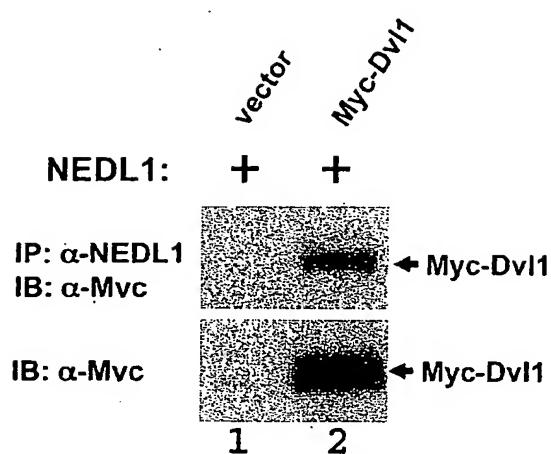
Fig.8

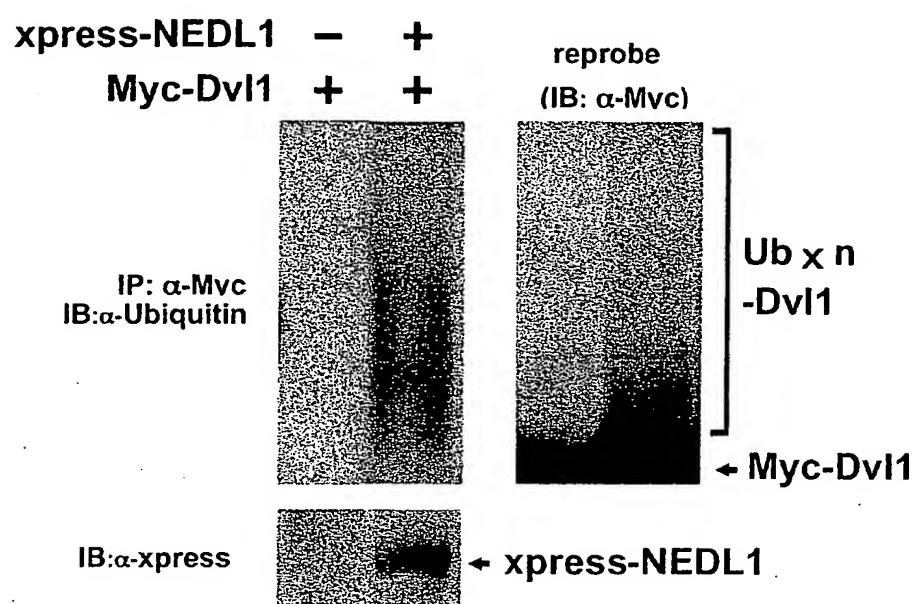
Fig.9

Fig.10

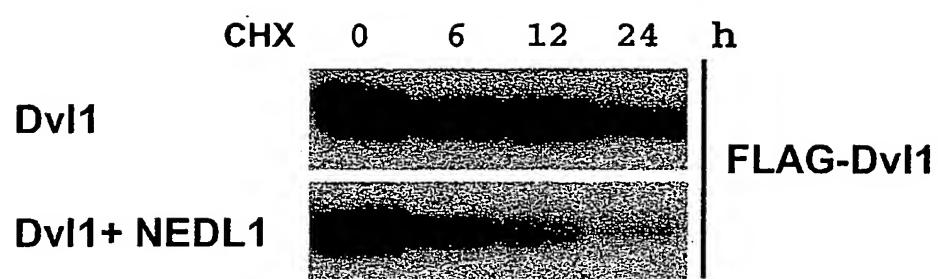


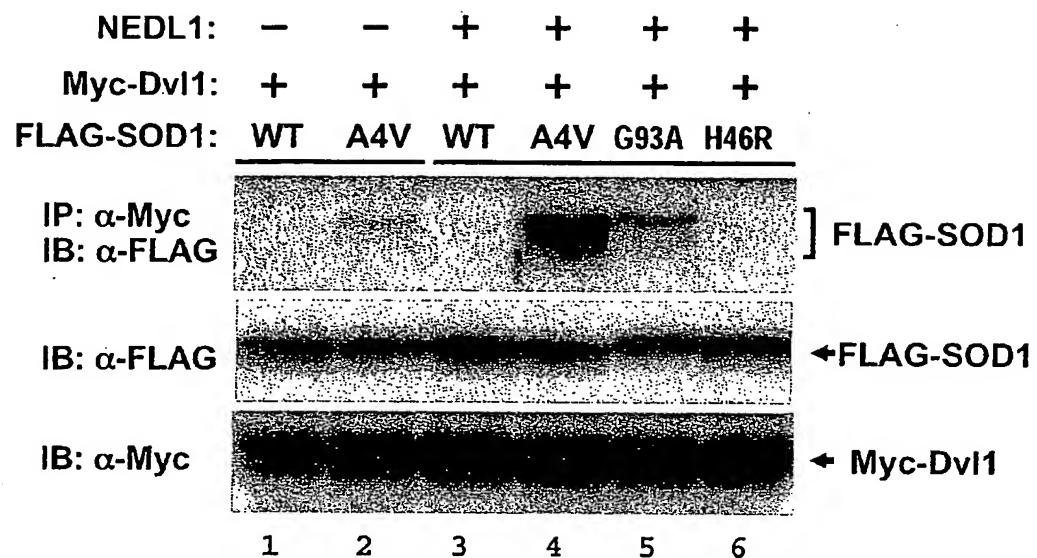
Fig. 11

Fig.12

